



US006255309B1

(12) **United States Patent**
Pees et al.

(10) Patent No.: **US 6,255,309 B1**
(45) Date of Patent: **Jul. 3, 2001**

(54) **FUNGICIDAL
TRIFLUOROMETHYLALKYLAMINO-
TRIAZOLOPYRIMIDINES**

(75) Inventors: **Klaus-Juergen Pees, Mainz; Guenter Krummel, Vendersheim, both of (DE); Henry Van Tuyl Cotter, Trenton, NJ (US); Guido Albert, Hackenheim; Annerose Rehnig, Ingelheim, both of (DE); Leslie May, Wokingham (GB); Waldemar Pfrengle, Seibersbach (DE)**

(73) Assignee: **American Cyanimid Co., Madison, NJ (US)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/272,916**

(22) Filed: **Mar. 19, 1999**

(51) Int. Cl.⁷ **A61K 31/505; C07D 239/00; C07D 487/00**

(52) U.S. Cl. **514/256; 514/272; 514/275; 514/257; 544/262; 544/263; 544/242**

(58) Field of Search **544/118, 263, 544/242; 514/212, 233.2, 253, 258, 256, 257, 272, 275**

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,593,996 1/1997 Pees et al. **544/263**

5,948,783 * 9/1999 Pees et al. 515/258
5,981,534 * 11/1999 Waldemar 514/258

* cited by examiner

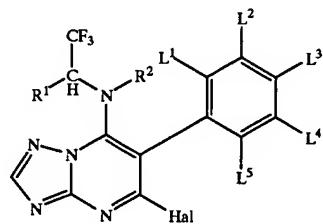
Primary Examiner—Richard L. Raymond

Assistant Examiner—Sudhaker B. Patel

(74) Attorney, Agent, or Firm—Barbara V. Maurer

(57) **ABSTRACT**

The novel compounds of formula I:



(1)

wherein (R¹, R², Hal and L¹ through L⁵ are defined in the specification) show selective fungicidal activity. The new compounds may be processed with carriers and adjuvants to produce fungicidal compositions.

6 Claims, No Drawings